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**SA-2 REACTION TO  
RECONNAISSANCE DRONE  
NORTH VIETNAM**

VINH SAM SITE C30B-2 (360)  
18-50-40N 105-18-15E

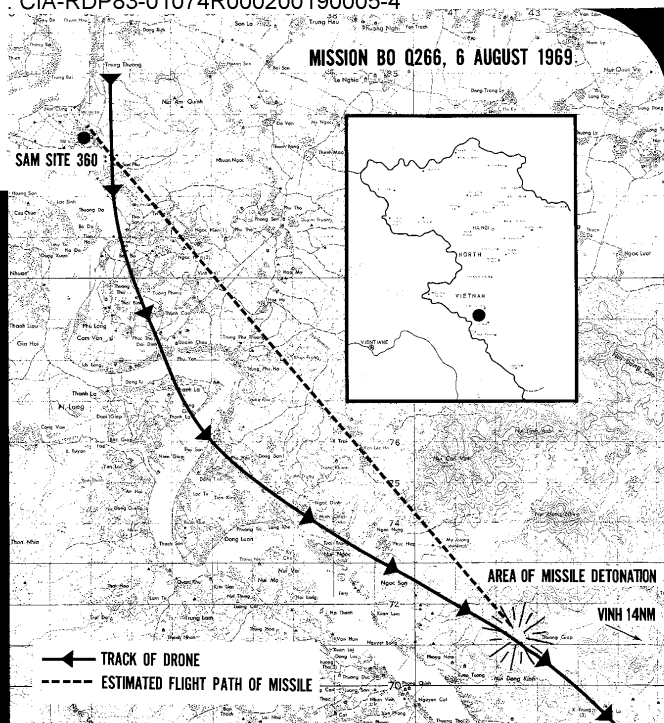
MODIFIED FAN SONG RADAR

SUPPORT VEHICLES

VINH 24NM

N-1717 NPIC (8/69)

SA-2 MISSILE ON LAUNCHER



POST DETONATION DEBRIS  
18-44N 105-24E

UNIDENTIFIED DEBRIS

VINH 15.5NM

SA-2 SUSTAINER ENGINE

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REFERENCE: BO Q266

ATTACHMENT TO N-1717

15 AUGUST 1969

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SA-2 REACTION TO RECONNAISSANCE DRONE  
VINH AREA, NORTH VIETNAM1. SIGNIFICANCE:

THIS BRIEFING BOARD DEPICTS A RARE OBSERVATION OF AN SA-2  
SUSTAINER ENGINE FALLING TO THE GROUND AFTER AN SA-2 MISSILE BURST.

2. LOCATION:

VINH AREA, NORTH VIETNAM

3. BACKGROUND:

THERE HAVE BEEN MORE THAN 5000 SA-2 FIRINGS IN NORTH VIETNAM  
ACHIEVING LIMITED SUCCESS. BOTH MISSILES IN FLIGHT AND MISSILE  
DETONATIONS HAVE BEEN SEEN BEFORE, BUT THIS IS THE FIRST PHOTOGRAPHY  
OF THE SUSTAINER ENGINE AFTER THE SA-2 HAS DETONATED.

4. MISSION READOUT:

BUMPY ACTION MISSION Q266, 6 AUGUST 1969 PENETRATED NORTH VIETNAM  
23 NM SOUTH OF THANH HOA, TRAVELED WEST-NORTHWEST TO A POINT 20 NM SOUTH  
OF BAI THUONG, AND THEN TURNED SOUTH AT A POINT 4 NM SOUTH OF VINH SON.

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THE DRONE PASSED OVER VINH SAM SITE C30B-2 (360) (185040N 1051815E), WHICH WAS NEWLY IDENTIFIED ON THIS MISSION, AND THEN TURNED EAST-SOUTHEAST TOWARD THE COAST. SA-2 SITE 360 [ ] APPARENTLY REACTED AFTER THE RECONNAISSANCE DRONE PASSED OVER ITS POSITION. APPROXIMATELY ONE MINUTE AFTER THE OVERFLIGHT OF THE SAM SITE, AN SA-2 MISSILE DETONATED BEHIND THE DRONE. THE SUSTAINER ENGINE, SMOKE AND DEBRIS FROM THE DETONATION WAS IMAGED ON PHOTOGRAPHY.

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5. REMARKS:

THE DRONE, WHEN FIRED UPON, WAS TRAVELING AT APPROXIMATELY 480 KNOTS (GROUND SPEED).

VINH SAM SITE C30B-2 (360) IS ONLY THE SECOND SAM SITE SOUTH OF 19° NORTH TO HAVE BEEN EQUIPPED WITH A MODIFIED FAN SONG RADAR.

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